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OM protein - protein search, using sw model

Run on: July 1, 2003, 09:24:21 ; Search time 14 Seconds  
(without alignments)  
21.016 Million cell updates/sec

Title: US-09-673-785D-2  
Perfect score: 60  
Sequence: 1 CVIGYSGDRC 10

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 2942292 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents\_AA: \*  
1: /cgn2\_6/ptodata/1/1aa/5A\_COMB.pep: \*  
2: /cgn2\_6/ptodata/1/1aa/5B\_COMB.pep: \*  
3: /cgn2\_6/ptodata/1/1aa/6A\_COMB.pep: \*  
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6: /cgn2\_6/ptodata/1/1aa/backfiles1.pep: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	60	100.0	12	1 US-08-597-545-7	Sequence 7, Appl
2	60	100.0	12	1 US-08-457-135-7	Sequence 7, Appl
3	60	100.0	53	1 US-08-284-923-2	Sequence 2, Appl
4	60	100.0	53	4 US-08-619-032B-2	Sequence 2, Appl
5	60	100.0	53	6 5332669-2	Patent No. 5332669
6	50	83.3	48	6 5332669-1	Patent No. 5332669
7	50	83.3	754	2 US-08-525-864A-2	Sequence 2, Appl
8	49	81.7	17	6 5183805-1	Patent No. 5183805
9	49	81.7	17	6 5183805-2	Patent No. 5183805
10	49	81.7	25	6 5256643-8	Patent No. 5256643
11	49	81.7	37	2 US-08-039-364-14	Sequence 14, Appl
12	49	81.7	37	4 US-08-158-710-14	Sequence 44, Appl
13	49	81.7	42	1 US-08-168-091A-44	Sequence 44, Appl
14	49	81.7	44	1 US-08-278-089A-24	Sequence 24, Appl
15	49	81.7	46	3 US-08-899-437-12	Sequence 12, Appl
16	49	81.7	46	4 US-09-126-121-12	Sequence 12, Appl
17	49	81.7	47	3 US-08-753-007A-17	Sequence 17, Appl
18	49	81.7	47	4 US-09-398-496-17	Sequence 17, Appl
19	49	81.7	48	4 US-09-020-880-15	Sequence 15, Appl
20	49	81.7	48	4 US-08-915-096A-13	Sequence 13, Appl
21	49	81.7	48	4 US-09-101-544-15	Sequence 15, Appl
22	49	81.7	48	6 5434135-3	Patent No. 5434135
23	49	81.7	51	6 517197-50	Patent No. 517197
24	49	81.7	53	1 US-07-869-176-1	Sequence 1, Appl
25	49	81.7	53	1 US-08-284-923-1	Sequence 1, Appl
26	49	81.7	53	1 US-08-360-841-2	Sequence 2, Appl
27	49	81.7	53	2 US-08-861-000-1	Sequence 1, Appl

28	49	81.7	53	4 US-08-619-032B-1	Sequence 1, Appl
29	49	81.7	53	6 5332669-3	Patent No. 5332669
30	49	81.7	53	6 5434135-2	Patent No. 5434135
31	49	81.7	55	6 5218093-1	Patent No. 5218093
32	49	81.7	88	2 US-07-885-089B-13	Sequence 13, Appl
33	49	81.7	91	1 US-07-847-743B-15	Sequence 15, Appl
34	49	81.7	91	1 US-08-456-201-15	Sequence 15, Appl
35	49	81.7	91	2 US-08-330-161-13	Sequence 13, Appl
36	49	81.7	91	2 US-08-456-241-15	Sequence 15, Appl
37	49	81.7	91	2 US-08-440-401-13	Sequence 13, Appl
38	49	81.7	91	2 US-08-419-878B-13	Sequence 13, Appl
39	49	81.7	91	4 US-09-173-480-13	Sequence 13, Appl
40	49	81.7	91	5 PCT-US92-04295A-15	Sequence 15, Appl
41	49	81.7	93	1 US-08-343-401A-4	Sequence 4, Appl
42	49	81.7	93	1 US-08-445-265A-2	Sequence 2, Appl
43	49	81.7	93	3 US-08-990-442-2	Sequence 2, Appl
44	49	81.7	132	3 US-08-468-846-13	Sequence 13, Appl
45	49	81.7	293	4 US-08-438-745-4	Sequence 4, Appl

ALIGNMENTS

RESULT 1  
US-08-597-545-7  
; Sequence 7, Application US/08597545  
; Patent No. 5580738  
; GENERAL INFORMATION:  
; APPLICANT: LABORDA, Jorge  
; TITLE OF INVENTION: Delta-Like Gene Expressed In  
; TITLE OF INVENTION: Neuroendocrine Tumors  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Foley & Lardner  
; STREET: 3000 K Street, N.W., Suite 500  
; CITY: Washington, D.C.  
; COUNTRY: USA  
; ZIP: 20007-5109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/597,545  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/989,537  
; FILING DATE: 11-DEC-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: BENT, Stephen A.  
; REGISTRATION NUMBER: 29,768  
; REFERENCE/DOCKET NUMBER: 40399/166 NIHD  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202)672-5300  
; TELEFAX: (202)672-5399  
; TELEX: 904136  
; INFORMATION FOR SEQ ID NO: 7:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 12 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
US-08-597-545-7

Query Match 100.0%; Score 60; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 0.00094;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CVIGYSGDRC 10  
DB 3 CVIGYSGDRC 12

RESULT 2  
US-08-457-135-7  
; Sequence 7, Application US/08457135  
; Patent No. 5644031  
; GENERAL INFORMATION:  
; APPLICANT: LABORDA, Jorge  
; TITLE OF INVENTION: Delta-Like Gene Expressed In  
; TITLE OF INVENTION: Neuroendocrine Tumors  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Foley & Lardner  
; STREET: 3000 K Street, N.W., Suite 500  
; CITY: Washington, D.C.  
; COUNTRY: USA  
; ZIP: 20007-5109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/457,135  
; FILING DATE: 01-JUN-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/989,537  
; FILING DATE: 11-DEC-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: BENT, Stephen A.  
; REGISTRATION NUMBER: 29,768  
; REFERENCE/DOCKET NUMBER: 40399/304/NIHD  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202)672-5300  
; TELEFAX: (202)672-5399  
; TELEX: 904136  
; INFORMATION FOR SEQ ID NO: 7:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 12 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
US-08-457-135-7

Query Match 100.0%; Score 60; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 0.00094;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CVIGYSGDRC 10  
Db 3 CVIGYSGDRC 12

RESULT 3  
US-08-284-923-2  
; Sequence 2, Application US/08284923  
; Patent No. 5547935  
; GENERAL INFORMATION:  
; APPLICANT: Mullenbach, Guy T  
; APPLICANT: Blaney, Jeffrey M  
; APPLICANT: Rosenberg, Steven  
; TITLE OF INVENTION: Mutens of Epidermal Growth Factor  
; TITLE OF INVENTION: exhibiting enhanced binding at low ph  
; NUMBER OF SEQUENCES: 2  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Chiron Corporation  
; STREET: 4560 Horton street  
; CITY: Emeryville  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94608  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/284,923  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/746,651  
; FILING DATE: 16-AUG-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: McClung, Barbara G  
; REGISTRATION NUMBER: 33,113  
; REFERENCE/DOCKET NUMBER: 231,001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 510-601-2708  
; TELEFAX: 510-655-3542  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 53 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-284-923-2

Query Match 100.0%; Score 60; DB 1; Length 53;  
Best Local Similarity 100.0%; Pred. No. 0.0039;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CVIGYSGDRC 10  
Db 33 CVIGYSGDRC 42

RESULT 4  
US-08-619-032B-2  
; Sequence 2, Application US/08619032B  
; Patent No. 6191106  
; GENERAL INFORMATION:  
; APPLICANT: Mullenbach, Guy T.  
; APPLICANT: Blaney, Jeffrey M.  
; APPLICANT: Rosenberg, Steven  
; TITLE OF INVENTION: MUTAINS OF EPIDERMAL GROWTH FACTOR  
; TITLE OF INVENTION: EXHIBITING ENHANCED BINDING AT LOW PH  
; NUMBER OF SEQUENCES: 3  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Chiron Corporation  
; STREET: Intellectual Property R-440, P.O. Box 8097  
; CITY: Emeryville  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94662-8097  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/619,032B  
; FILING DATE: 20-MAR-1996  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Guth, Joseph H.  
; REGISTRATION NUMBER: 31,261  
; REFERENCE/DOCKET NUMBER: 0231,004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (510) 923-3888  
; TELEFAX: (510) 655-3542  
; TELEX: N/A  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 53 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single

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; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-619-032B-2

Query Match      100.0%; Score 60; DB 4; Length 53;
Best Local Similarity 100.0%; Pred. No. 0.0039;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 CVIGYSGDRC 10
Db      33 CVIGYSGDRC 42

RESULT 5
5332669-2
; Patent No. 5332669
; APPLICANT: DEUEL, THOMAS F.
; TITLE OF INVENTION: PROSTATE-DERIVED MITOGEN
; NUMBER OF SEQUENCES: 3
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/356,739
; FILING DATE: 24-MAR-1989
; SEQ ID NO:2:
; LENGTH: 53
5332669-2

Query Match      100.0%; Score 60; DB 6; Length 53;
Best Local Similarity 100.0%; Pred. No. 0.0039;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 CVIGYSGDRC 10
Db      33 CVIGYSGDRC 42

RESULT 6
5332669-1
; Patent No. 5332669
; APPLICANT: DEUEL, THOMAS F.
; TITLE OF INVENTION: PROSTATE-DERIVED MITOGEN
; NUMBER OF SEQUENCES: 3
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/356,739
; FILING DATE: 24-MAR-1989
; SEQ ID NO:1:
; LENGTH: 48
5332669-1

Query Match      83.3%; Score 50; DB 6; Length 48;
Best Local Similarity 80.0%; Pred. No. 0.14;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1 CVIGYSGDRC 10
Db      33 CVIGYIGERC 42

RESULT 7
US-08-525-864A-2
; Sequence 2, Application US/08525864A
; Patent No. 5912326
; GENERAL INFORMATION:
; APPLICANT: Chang, Han
; TITLE OF INVENTION: Cerebellum-derived Growth Factors, and Uses
; TITLE OF INVENTION: Related thereto
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII (text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/525,864A
FILING DATE: 8-SEP-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Kara, Catherine J.
REGISTRATION NUMBER: 41,106
REFERENCE/DOCKET NUMBER: HUI-017
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 754 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-525-864A-2

Query Match      83.3%; Score 50; DB 2; Length 754;
Best Local Similarity 70.0%; Pred. No. 2;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy      1 CVIGYSGDRC 10
Db      280 CPVGYTGDC 289

RESULT 8
5183805-1
; Patent No. 5183805
; APPLICANT: LEE, JIN S.;BLICK, MARK
; TITLE OF INVENTION: BIOACTIVE EGF PEPTIDES FOR
; PROMOTION OF TISSUE REGENERATION AND CANCER THERAPY
; NUMBER OF SEQUENCES: 2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/567,407
; FILING DATE: 13-AUG-1990
; SEQ ID NO:1:
; LENGTH: 17
5183805-1

Query Match      81.7%; Score 49; DB 6; Length 17;
Best Local Similarity 70.0%; Pred. No. 0.073;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy      1 CVIGYSGDRC 10
Db      2 CVVGYIGERC 11

RESULT 9
5183805-2
; Patent No. 5183805
; APPLICANT: LEE, JIN S.;BLICK, MARK
; TITLE OF INVENTION: BIOACTIVE EGF PEPTIDES FOR
; PROMOTION OF TISSUE REGENERATION AND CANCER THERAPY
; NUMBER OF SEQUENCES: 2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/567,407
; FILING DATE: 13-AUG-1990
; SEQ ID NO:2:
; LENGTH: 17
5183805-2

Query Match      81.7%; Score 49; DB 6; Length 17;
Best Local Similarity 70.0%; Pred. No. 0.073;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
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QY 1 CVIGYGDRC 10  
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Db 2 CVVGYIGERC 11

## RESULT 10

5256643-8  
; Patent No. 5256643  
; APPLICANT: Persico, Maria G.; Salomon, David S.  
; TITLE OF INVENTION: HUMAN CRIPTO PROTEIN  
; NUMBER OF SEQUENCES: 18  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/530,165  
; FILING DATE: 29-MAY-1990  
; SEQ ID NO: 8  
; LENGTH: 25  
5256643-8

Query Match 81.7%; Score 49; DB 6; Length 25;  
Best Local Similarity 70.0%; Pred. No. 0.11;  
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CVIGYGDRC 10  
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Db 13 CVVGYIGERC 22

## RESULT 11

US-08-039-364-14  
; Sequence 14, Application US/08039364  
; Patent No. 5811393  
; GENERAL INFORMATION:

; APPLICANT: Klagsbrun, Michael  
; APPLICANT: Abraham, Judith A.  
; APPLICANT: Higashiyama, Shigeki  
; APPLICANT: Besner, Gail F.  
; TITLE OF INVENTION: HEPARIN BINDING MITOGEN WITH  
; TITLE OF INVENTION: HOMOLOGY TO EPIDERMAL GROWTH FACTOR  
; NUMBER OF SEQUENCES: 18  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: U.S.A.  
; ZIP: 02110-2804

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; COMPUTER: IBM PS/2 Model 502 or 55sx  
; OPERATING SYSTEM: MS-DOS (Version 5.0)  
; SOFTWARE: Wordperfect (Version 5.1)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/039,364  
; FILING DATE: 15 JUN 1993

; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/598,082  
; FILING DATE: 16 OCT 1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Freeman, John W.

; REGISTRATION NUMBER: 29,066  
; REFERENCE/DOCKET NUMBER: 05162/002002  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 542-5070  
; TELEFAX: (617) 542-8906  
; TELEX: 200154

; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 37 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single

; TOPOLOGY: linear  
US-08-039-364-14

Query Match 81.7%; Score 49; DB 2; Length 37;  
Best Local Similarity 70.0%; Pred. No. 0.15;  
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CVIGYGDRC 10  
||:||||:|  
Db 28 CVVGYIGERC 37

## RESULT 12

US-09-158-710-14  
; Sequence 14, Application US/09158710  
; Patent No. 6235884  
; GENERAL INFORMATION:

; APPLICANT: Klagsbrun, Michael  
; APPLICANT: Abraham, Judith A.  
; APPLICANT: Higashiyama, Shigeki  
; APPLICANT: Besner, Gail F.  
; TITLE OF INVENTION: HEPARIN BINDING MITOGEN WITH HOMOLOGY TO EPIDERMAL  
; TITLE OF INVENTION: GROWTH FACTOR (EGF)  
; FILE REFERENCE: 05162/002003  
; CURRENT APPLICATION NUMBER: US/09/158,710  
; CURRENT FILING DATE: 1998-09-22  
; EARLIER APPLICATION NUMBER: US 08/039,364  
; EARLIER FILING DATE: 1993-06-15  
; EARLIER APPLICATION NUMBER: US 07/598,082  
; EARLIER FILING DATE: 1990-10-16  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 14  
; LENGTH: 37  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-158-710-14

## Query Match

Best Local Similarity 81.7%; Score 49; DB 4; Length 37;  
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CVIGYGDRC 10  
||:||||:|  
Db 28 CVVGYIGERC 37

## RESULT 13

US-08-168-091A-44  
; Sequence 44, Application US/08168091A  
; Patent No. 5665862  
; GENERAL INFORMATION:

; APPLICANT: Fischbach, Gerald.  
; APPLICANT: Falls, Douglas R.  
; APPLICANT: Rosen, Kenneth M.  
; APPLICANT: Corfas, Gabriel  
; TITLE OF INVENTION: Neurotrophic Factor  
; NUMBER OF SEQUENCES: 47  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE AND COCKFIELD  
; STREET: 60 State Street, Suite 510  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/168,091A  
; FILING DATE: 15-DEC-1993

CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/953,742  
FILING DATE: 29-SEP-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: DeConti, Giulio A  
REGISTRATION NUMBER: 31,503  
REFERENCE/DOCKET NUMBER: HMI-002CP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 227-7400  
TELEFAX: (617) 227-5941  
INFORMATION FOR SEQ ID NO: 44:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 42 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: internal  
US-08-168-091A-44

Query Match 81.7%; Score 49; DB 1; Length 42;  
Best Local Similarity 70.0%; Pred. No. 0.17;  
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CVIGYSGDRC 10  
DB 31 CVVGYIGERC 40

RESULT 14  
US-08-278-089A-24  
Sequence 24, Application US/08278089A  
Patent No. 5681714  
GENERAL INFORMATION:  
APPLICANT: Breiman, Martin L.  
ATTORNEY/AGENT INFORMATION:  
NAME: Rossant, Janet  
APPLICANT: Dumont, Daniel J.  
APPLICANT: Yamaguchi, Terry P.  
TITLE OF INVENTION: No. 5681714el Receptor Tyrosine Kinase  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Bereskin & Parr  
STREET: 40 King Street West  
CITY: Toronto  
STATE: Ontario  
COUNTRY: Canada  
ZIP: M5H 3Y2  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/278,089A  
FILING DATE: 20-JUL-1994  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: Kurdydky, Linda M.  
REGISTRATION NUMBER: 34,971  
REFERENCE/DOCKET NUMBER: 3153-111  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (416) 364-7311  
TELEFAX: (416) 361-1398  
INFORMATION FOR SEQ ID NO: 24:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 44 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: CDNA  
IMMEDIATE SOURCE:  
CLONE: EGF

US-08-278-089A-24

Query Match 81.7%; Score 49; DB 1; Length 44;  
Best Local Similarity 70.0%; Pred. No. 0.18;  
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CVIGYSGDRC 10  
DB 33 CVVGYIGERC 42

RESULT 15  
US-08-899-437-12  
Sequence 12, Application US/08899437  
Patent No. 6121415  
GENERAL INFORMATION:  
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao  
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 1 DNA Way  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WinPatIn (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/899,437  
FILING DATE: 24-Jul-1997  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Conley, Deirdre L.  
REGISTRATION NUMBER: 36,487  
REFERENCE/DOCKET NUMBER: P1084R1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650/225-2066  
TELEFAX: 650/952-9881  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 46 amino acids  
TYPE: Amino Acid  
TOPOLOGY: Linear  
FEATURE:  
NAME/KEY: heGF.egf  
LOCATION: 1-46  
IDENTIFICATION METHOD:  
OTHER INFORMATION:  
US-08-899-437-12

Query Match 81.7%; Score 49; DB 3; Length 46;  
Best Local Similarity 70.0%; Pred. No. 0.19;  
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CVIGYSGDRC 10  
DB 32 CVVGYIGERC 41

Search completed: July 1, 2003, 10:33:45  
Job time : 15 secs

**THIS PAGE BLANK (USPTO)**

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: July 1, 2003, 10:29:11 ; Search time 19 Seconds  
(without alignments)  
57.709 Million cell updates/sec

Title: US-09-673-785D-2

Perfect score: 60

Sequence: 1 CVIGYSGDRC 10

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 424699 seqs, 109646833 residues

Total number of hits satisfying chosen parameters: 424699

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published\_Applications\_AA:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB pep:\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB pep:\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB pep:\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US05\_PUBCOMB pep:\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB pep:\*
- 6: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB pep:\*
- 7: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB pep:\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB pep:\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB pep:\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB pep:\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB pep:\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB pep:\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB pep:\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	60	100.0	53	9	US-10-138-158-19
2	60	100.0	53	9	US-10-138-158-19
3	60	100.0	145	9	US-10-150-648B-33
4	50	83.3	112	9	US-10-211-994-20
5	50	83.3	298	10	US-09-864-675-4
6	49	81.7	46	9	US-10-136-573A-12
7	49	81.7	46	9	US-09-877-665-12
8	49	81.7	46	9	US-10-215-862-12
9	49	81.7	46	10	US-09-817-647-12
10	49	81.7	47	12	US-10-096-241-17
11	49	81.7	48	9	US-10-201-945-13
12	49	81.7	53	9	US-09-903-327A-9
13	49	81.7	53	9	US-10-150-648B-35
14	49	81.7	53	9	US-10-211-994-4
15	49	81.7	53	10	US-09-848-664-31
16	49	81.7	58	10	US-09-934-706-3
17	49	81.7	91	9	US-10-022-609-13
18	49	81.7	111	9	US-10-211-994-27
19	49	81.7	111	9	US-10-211-994-29

20	49	81.7	112	9	US-10-211-994-5	Sequence 5, Appl1
21	49	81.7	112	9	US-10-211-994-7	Sequence 7, Appl1
22	49	81.7	112	9	US-10-211-994-25	Sequence 25, Appl1
23	49	81.7	140	10	US-09-280-030-64	Sequence 64, Appl1
24	49	81.7	146	9	US-10-150-648B-32	Sequence 32, Appl1
25	49	81.7	400	10	US-09-934-706-5	Sequence 5, Appl1
26	49	81.7	493	9	US-09-903-327A-13	Sequence 13, Appl1
27	49	81.7	741	10	US-09-925-301-930	Sequence 930, App
28	46	76.7	53	9	US-10-150-648B-34	Sequence 34, Appl1
29	46	76.7	145	9	US-10-150-648B-31	Sequence 31, Appl1
30	46	76.7	878	9	US-10-157-031-171	Sequence 171, App
31	46	76.7	1050	9	US-09-796-753-114	Sequence 114, App
32	43	71.7	12	12	US-10-067-422-16	Sequence 16, Appl1
33	43	71.7	46	12	US-10-067-422-17	Sequence 17, Appl1
34	43	71.7	51	9	US-09-866-050A-343	Sequence 343, App
35	43	71.7	103	9	US-09-866-050A-417	Sequence 417, App
36	43	71.7	112	9	US-09-866-050A-413	Sequence 413, App
37	43	71.7	133	9	US-10-227-884-50	Sequence 50, Appl1
38	43	71.7	133	9	US-10-230-163-50	Sequence 50, Appl1
39	43	71.7	133	9	US-10-218-631-50	Sequence 50, Appl1
40	43	71.7	133	9	US-10-230-338-50	Sequence 50, Appl1
41	43	71.7	133	9	US-10-230-414-50	Sequence 50, Appl1
42	43	71.7	133	9	US-10-216-159A-50	Sequence 50, Appl1
43	43	71.7	133	9	US-10-218-849-50	Sequence 50, Appl1
44	43	71.7	133	9	US-10-227-873-50	Sequence 50, Appl1
45	43	71.7	133	9	US-10-227-883-50	Sequence 50, Appl1

#### ALIGNMENTS

#### RESULT 1

US-10-138-158-19  
; Sequence 19, Application US/10138158  
; Publication No. US20030036509A1

#### GENERAL INFORMATION:

; APPLICANT: STEM CELL PHARMACEUTICALS, INC.  
; APPLICANT: TWARDZIK, Daniel R.  
; APPLICANT: PERNET, Andre  
; APPLICANT: FELKER, Thomas S.  
; APPLICANT: PASKELL, Stefan  
; APPLICANT: RENO, John M.  
; TITLE OF INVENTION: TGF-alpha POLYPEPTIDES, FUNCTIONAL FRAGMENTS AND METHODS OF USE  
; FILE REFERENCE: STEM110-6  
; CURRENT APPLICATION NUMBER: US/10/138.158  
; PRIOR FILING DATE: 2002-08-08  
; PRIOR APPLICATION NUMBER: US 09/641,587  
; PRIOR FILING DATE: 2000-08-17  
; PRIOR APPLICATION NUMBER: US 09/559,248  
; PRIOR FILING DATE: 2000-04-26  
; PRIOR APPLICATION NUMBER: US 09/459,813  
; PRIOR FILING DATE: 1999-12-13  
; PRIOR APPLICATION NUMBER: US 09/492,935  
; PRIOR FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 09/378,567  
; PRIOR FILING DATE: 1999-08-19  
; NUMBER OF SEQ ID NOS: 21  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 19  
; LENGTH: 53  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-138-158-19

Query Match 100.0%; Score 60; DB 9; Length 53;  
Best Local Similarity 100.0%; Pred. No. 0.0064;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CVIGYSGDRC 10

Db 33 CVIGYSGDRC 42

RESULT 2  
US-10-150-648B-33  
; Sequence 33, Application US/10150648B  
; Publication No. US20030059802A1  
; GENERAL INFORMATION:  
; APPLICANT: Bilodeau-Goesseels, Sylvie  
; APPLICANT: John, Sushil J.  
; APPLICANT: Selinger, Leonard B.  
; TITLE OF INVENTION: Nucleic acid and protein sequences of bovine epidermal growth  
; FILE REFERENCE: factor  
; CURRENT APPLICATION NUMBER: US/10/150,648B  
; PRIOR FILING DATE: 2002-05-17  
; PRIOR APPLICATION NUMBER: 60/292,136  
; NUMBER OF SEQ ID NOS: 37  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 33  
; LENGTH: 53  
; TYPE: PRT  
; ORGANISM: Mus musculus  
; PUBLICATION INFORMATION:  
; AUTHORS: Gray, A., Dull, T.J. and Ullrich, A.  
; TITLE: Nucleotide sequence of epidermal growth factor cDNA predicts a  
; TITLE: 128,000-molecular weight protein precursor  
; JOURNAL: Nature  
; VOLUME: 303  
; PAGES: 722-725  
; DATE: 1983  
; DATABASE ACCESSION NUMBER: GenBank Accession No. US20030059802A1 J00380  
; DATABASE ENTRY DATE: 1993-04-27  
; RELEVANT RESIDUES: Relevant residues FROM 977 TO 1029  
US-10-150-648B-33

Query Match  
Best Local Similarity 100.0%; Score 60; DB 9; Length 53;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CVIGYSGDRC 10  
Db 33 CVIGYSGDRC 42  
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RESULT 3  
US-10-150-648B-30  
; Sequence 30, Application US/10150648B  
; Publication No. US20030059802A1  
; GENERAL INFORMATION:  
; APPLICANT: Bilodeau-Goesseels, Sylvie  
; APPLICANT: John, Sushil J.  
; APPLICANT: Selinger, Leonard B.  
; TITLE OF INVENTION: Nucleic acid and protein sequences of bovine epidermal growth  
; FILE REFERENCE: factor  
; CURRENT APPLICATION NUMBER: US/10/150,648B  
; PRIOR FILING DATE: 2002-05-17  
; PRIOR APPLICATION NUMBER: 60/292,136  
; NUMBER OF SEQ ID NOS: 37  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 30  
; LENGTH: 145  
; TYPE: PRT  
; ORGANISM: Mus musculus  
; PUBLICATION INFORMATION:  
; AUTHORS: Gray, A., Dull, T.J. and Ullrich, A.  
; TITLE: Nucleotide sequence of epidermal growth factor cDNA predicts a  
; TITLE: 128,000-molecular weight protein precursor  
; JOURNAL: Nature  
; VOLUME: 303  
; PAGES: 722-725

; DATE: 1983  
; DATABASE ACCESSION NUMBER: GenBank Accession No. US20030059802A1 J00380  
; DATABASE ENTRY DATE: 1993-04-27  
; RELEVANT RESIDUES: Relevant residues FROM 919 TO 1063  
US-10-150-648B-30

Query Match  
Best Local Similarity 100.0%; Score 60; DB 9; Length 145;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CVIGYSGDRC 10  
Db 91 CVIGYSGDRC 100  
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RESULT 4  
US-10-211-994-20  
; Sequence 20, Application US/102111994  
; Publication No. US20030082201A1  
; GENERAL INFORMATION:  
; APPLICANT: Rao, M.R.S.  
; APPLICANT: Sengupta, Paromita  
; APPLICANT: Prasad, Sudhanand  
; APPLICANT: Burman, Anand C.  
; APPLICANT: Mukherjee, Rama  
; APPLICANT: Thomas, Becky  
; TITLE OF INVENTION: MULTIVALENT SYNTHETIC VACCINE FOR CANCER  
; FILE REFERENCE: U014152-1  
; CURRENT APPLICATION NUMBER: US/10/211,994  
; CURRENT FILING DATE: 2002-08-02  
; PRIOR APPLICATION NUMBER: 60/309,975  
; PRIOR FILING DATE: 2001-08-03  
; NUMBER OF SEQ ID NOS: 29  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 20  
; LENGTH: 112  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Nucleotide and peptide sequence of multivalent vaccine  
US-10-211-994-20

Query Match  
Best Local Similarity 83.3%; Score 50; DB 9; Length 112;  
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
QY 1 CVIGYSGDRC 10  
Db 92 CVIGYIGERC 101  
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RESULT 5  
US-09-864-675-4  
; Sequence 4, Application US/09864675  
; Patent No. US20020081286A1  
; GENERAL INFORMATION:  
; APPLICANT: Marchionni, Mark  
; TITLE OF INVENTION: NRG-2 NUCLEIC ACID MOLECULES,  
; FILE REFERENCE: POLYPEPTIDES, AND DIAGNOSTIC AND THERAPEUTIC METHODS  
; FILE REFERENCE: 04585/049002  
; CURRENT APPLICATION NUMBER: US/09/864,675  
; CURRENT FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/206,495  
; PRIOR FILING DATE: 2000-05-23  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 4  
; LENGTH: 298  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-864-675-4

Query Match  
83.3%; Score 50; DB 10; Length 298;





STREET: 1 DNA Way  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WinPatIn (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/817,647  
FILING DATE: 26-Mar-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/107,979  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Conley, Delidre L.  
REGISTRATION NUMBER: 36,487  
REFERENCE/DOCKET NUMBER: P1084r1-2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650/225-2066  
TELEFAX: 650/952-9881  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 46 amino acids  
TYPE: Amino Acid  
TOPOLOGY: Linear  
FEATURE:  
NAME/KEY: hcgf.egf  
LOCATION: 1-46  
IDENTIFICATION METHOD:  
OTHER INFORMATION:  
SEQUENCE DESCRIPTION: SEQ ID NO: 12:  
US-09-817-647-12

Query Match  
Best Local Similarity 81.7%; Score 49; DB 10; Length 46;  
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;  
QY 1 CVIGYSGDRC 10  
Db 32 CVVGYIGERC 41

RESULT 10  
US-10-096-241-17  
Sequence 17, Application US/10096241  
Patent No. US20020127594A1  
GENERAL INFORMATION:  
APPLICANT: Gearing, David P.  
Busfield, Samantha J.  
TITLE OF INVENTION: DON-1 GENE AND POLYPEPTIDES  
AND USES THEREFOR  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 225 Franklin Street  
CITY: Boston  
STATE: MA  
COUNTRY: US  
ZIP: 02110-2804  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/096,241  
FILING DATE: 12-Mar-2002  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/699,591  
FILING DATE: 19-AUG-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Fasse, J. Peter  
REGISTRATION NUMBER: 32,983  
REFERENCE/DOCKET NUMBER: 07334/022001\*  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-542-5070  
TELEFAX: 617-542-8906  
TELEX: <Unknown>  
INFORMATION FOR SEQ ID NO: 17:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 47 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 17:  
US-10-096-241-17  
Query Match  
Best Local Similarity 81.7%; Score 49; DB 12; Length 47;  
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;  
QY 1 CVIGYSGDRC 10  
Db 33 CVVGYIGERC 42

RESULT 11  
US-10-201-945-13  
Sequence 13, Application US/10201945  
Publication No. US20020188110A1  
GENERAL INFORMATION:  
APPLICANT: Meissner, Paul S.  
Fuldner, Rebecca A.  
Adams, Mark D.  
TITLE OF INVENTION: Transforming Growth Factor Alpha HI  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: MD  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/201,945  
FILING DATE: 25-Jul-2002  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/471,377  
FILING DATE: 23-Dec-1999  
APPLICATION NUMBER: 08/915,096  
FILING DATE: <Unknown>  
APPLICATION NUMBER: US 08/208,008  
FILING DATE: 08-MAR-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Brookes, A. Anders  
REGISTRATION NUMBER: 36,373  
REFERENCE/DOCKET NUMBER: PF110D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 301-309-8504  
TELEX: 301-309-8439  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 48 amino acids  
TYPE: amino acid

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;
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-10-201-945-13

Query Match      81.7%; Score 49; DB 9; Length 48;
Best Local Similarity 70.0%; Pred. No. 0.37;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 CVIGYSGDRC 10
      11:1111111
Db      -28 CVVGYIGERC 37

RESULT 12
US-09-903-327A-9
; Sequence 9, Application US/09903327A
; Patent No. US20020164333A1
; GENERAL INFORMATION:
; APPLICANT: Li, Erquang
; TITLE OF INVENTION: BIFUNCTIONAL MOLECULES AND VECTORS COMPLEXED THEREWITH FOR TARGET
; TITLE OF INVENTION: GENE
; TITLE OF INVENTION: DELIVERY
; FILE REFERENCE: 22908-1228
; CURRENT APPLICATION NUMBER: US/09/903,327A
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 09/613,017
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 53
; TYPE: PRT
; ORGANISM: Human
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (0)...(0)
; OTHER INFORMATION: Epidermal Growth Factor (EGF, mature peptide)
US-09-903-327A-9

Query Match      81.7%; Score 49; DB 9; Length 53;
Best Local Similarity 70.0%; Pred. No. 0.37;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 CVIGYSGDRC 10
      11:1111111
Db      33 CVVGYIGERC 42

RESULT 13
US-10-150-648B-35
; Sequence 35, Application US/10150648B
; Publication No. US20030059802A1
; GENERAL INFORMATION:
; APPLICANT: Bilodeau-Goesseels, Sylvie
; APPLICANT: John, Sushil J.
; APPLICANT: Selinger, Leonard B.
; APPLICANT: Benkel, Bernhard F.
; TITLE OF INVENTION: Nucleic acid and protein sequences of bovine epidermal growth
; TITLE OF INVENTION: factor
; FILE REFERENCE: 60-01
; CURRENT APPLICATION NUMBER: US/10/150,648B
; CURRENT FILING DATE: 2002-05-17
; PRIOR APPLICATION NUMBER: 60/292,136
; PRIOR FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 35
; LENGTH: 53
; TYPE: PRT
; ORGANISM: Homo sapiens
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; PUBLICATION INFORMATION:
; AUTHORS: Bell, G.I., Fong, N.M., Stempien, M.M., Wormsted, M.A.,
; AUTHORS: Caput, D., Ku, L.L., Urdea, M.S., Rall, L.B. and Sanchez-
; AUTHORS: Pescador, R.
; TITLE: Human epidermal growth factor precursor: cDNA sequence,
; TITLE: expression in vitro and gene organization.
; JOURNAL: Nucleic Acids Research
; VOLUME: 14
; ISSUE: 21
; PAGES: 8427-8446
; DATE: 1986
; DATABASE ACCESSION NUMBER: GenBank Accession No. US20030059802A1 X04571
; DATABASE ENTRY DATE: 1993-04-21
; RELEVANT RESIDUES: Relevant residues FROM 970 TO 1022
US-10-150-648B-35
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Query Match      81.7%; Score 49; DB 9; Length 53;
Best Local Similarity 70.0%; Pred. No. 0.37;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
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QY      1 CVIGYSGDRC 10
      11:1111111
Db      33 CVVGYIGERC 42
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RESULT 14
US-10-211-994-4
; Sequence 4, Application US/10211994
; Publication No. US20030082201A1
; GENERAL INFORMATION:
; APPLICANT: Rao, M.R.S.
; APPLICANT: Prasad, Sudhanand
; APPLICANT: Burman, Anand C.
; APPLICANT: Mukherjee, Rama
; APPLICANT: Thomas, Becky
; TITLE OF INVENTION: MULTIVALENT SYNTHETIC VACCINE FOR CANCER
; FILE REFERENCE: U014152-1
; CURRENT APPLICATION NUMBER: US/10/211,994
; CURRENT FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: 60/309,975
; PRIOR FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 53
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Epidermal growth factor
US-10-211-994-4
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Query Match      81.7%; Score 49; DB 9; Length 53;
Best Local Similarity 70.0%; Pred. No. 0.37;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
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QY      1 CVIGYSGDRC 10
      11:1111111
Db      33 CVVGYIGERC 42
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RESULT 15
US-09-848-664-31
; Sequence 31, Application US/09848664
; Patent No. US20020146414A1
; GENERAL INFORMATION:
; APPLICANT: Sakiyama-Elbert, Shelly E.
; APPLICANT: Hubbell, Jeffrey A.
; TITLE OF INVENTION: Controlled Release of No. US20020146414A1-Heparin Binding Grow
; TITLE OF INVENTION: Factors from Heparin Containing Matrices
; FILE REFERENCE: ETH 108
; CURRENT APPLICATION NUMBER: US/09/848,664
; CURRENT FILING DATE: 2001-05-03
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